

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098023.D
 Acq On : 25 Aug 2017 1:11
 Operator : SJ/JU
 Sample : I4922-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-082217

Quant Time: Aug 25 02:41:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

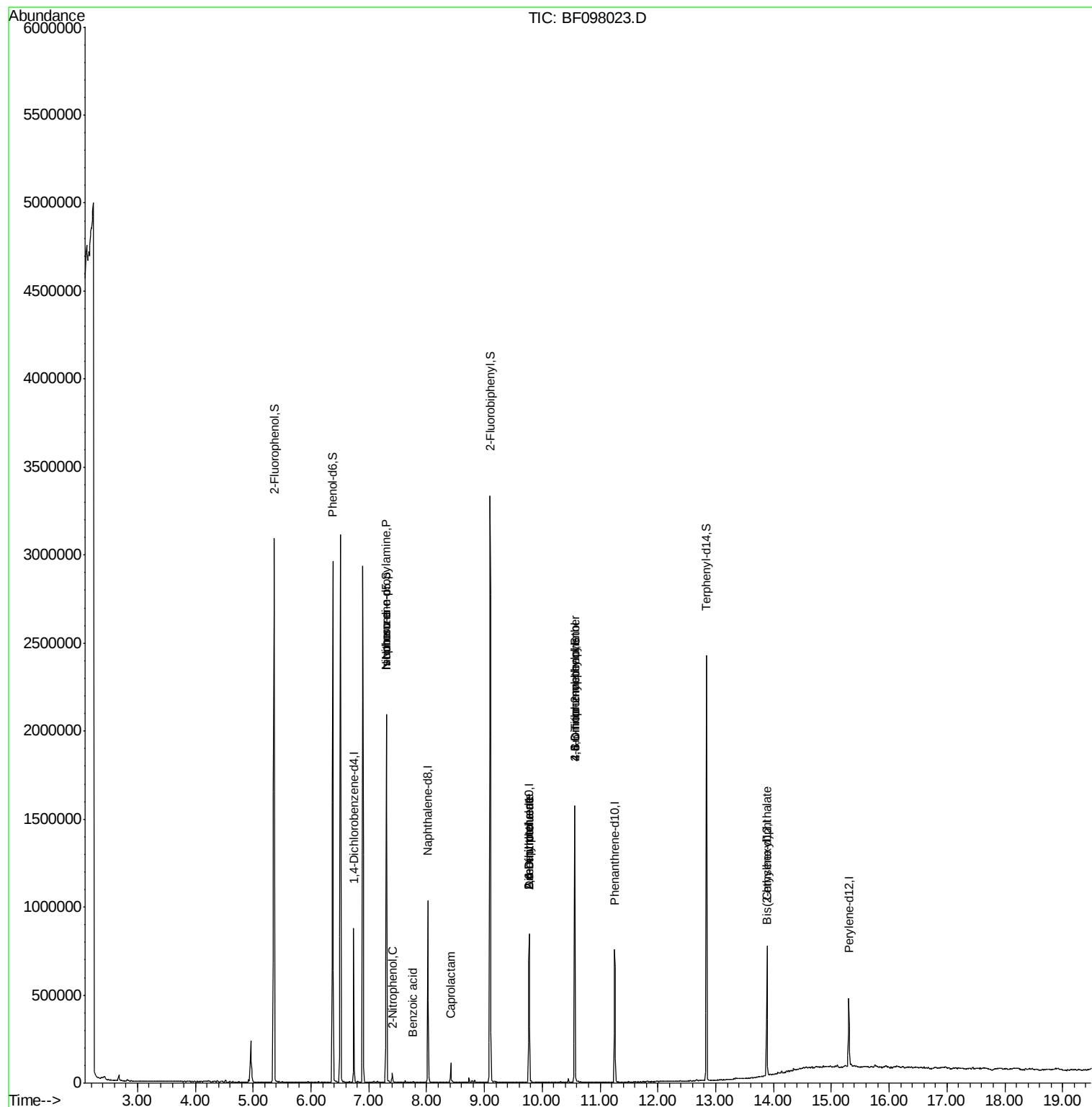
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	107793	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	409246	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	157297	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	257961	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	235030	20.00	ng	-0.01
86) Perylene-d12	15.30	264	170308	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	938795	132.47	ng	0.01
7) Phenol-d6	6.38	99	1137165	118.10	ng	0.00
23) Nitrobenzene-d5	7.30	82	807657	107.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	190802	139.80	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1114874	104.13	ng	-0.01
78) Terphenyl-d14	12.84	244	801664	71.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	108718	16.49	ng	# 72
25) Isophorone	7.30	82	799811	51.06	ng	# 67
26) 2-Nitrophenol	7.40	139	284	5.34	ng	# 40
32) Benzoic acid	7.76	122	113	6.42	ng	# 81
35) Caprolactam	8.42	113	10688	5.80	ng	91
49) Dimethylphthalate	9.77	163	43892	3.82	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	19852	8.65	ng	# 35
56) 2,4-Dinitrotoluene	9.77	165	19852	6.89	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	358	8.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12631	4.72	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.87	149	23044	2.82	ng	# 99

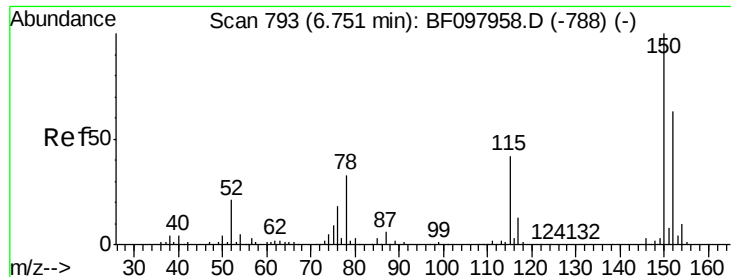
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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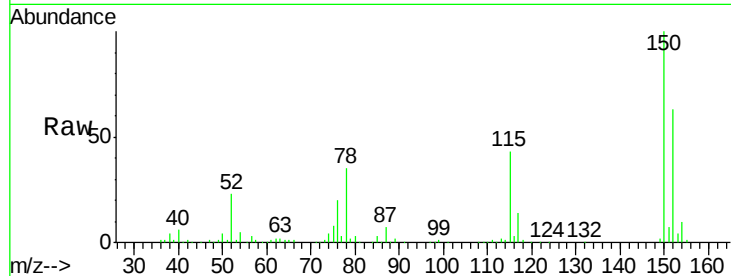


#1

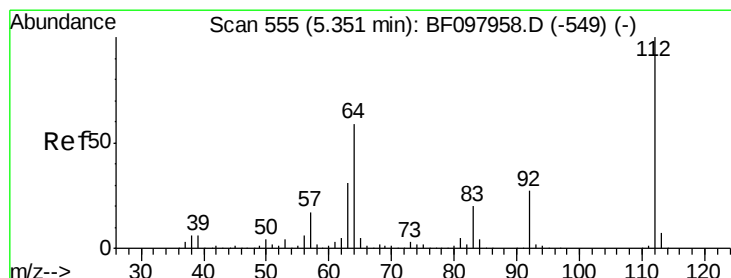
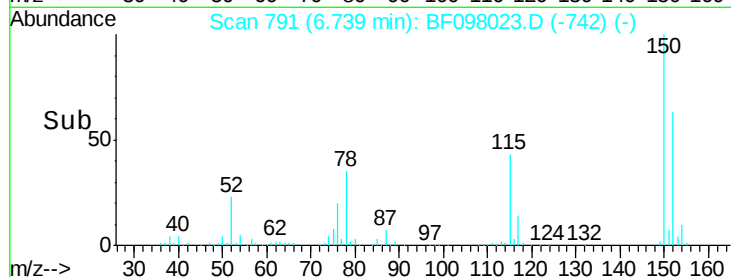
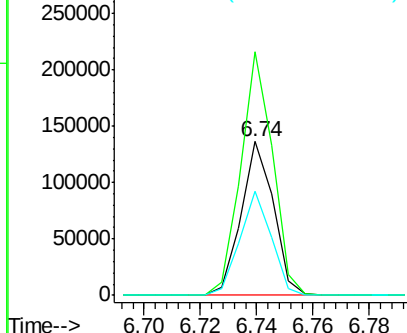
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Instrument :
BNA_F
ClientSampleId :
SA-01-082217

Tot Ion:152 Resp: 107793
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 67.5 52.2 78.2



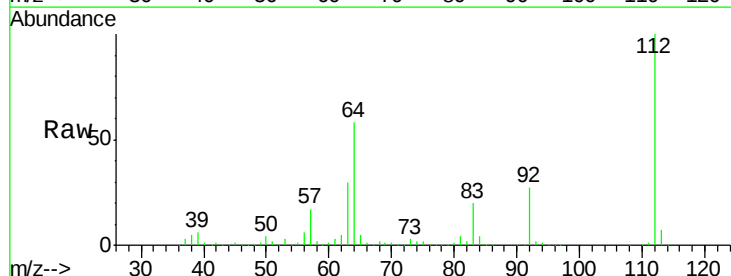
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



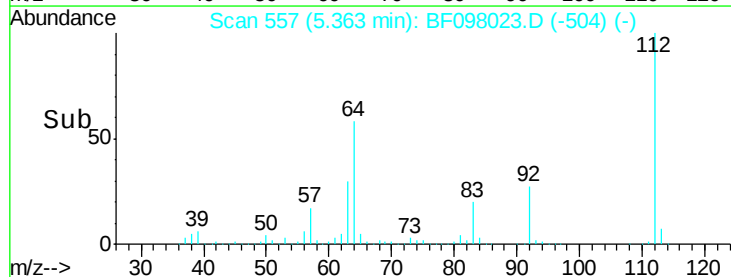
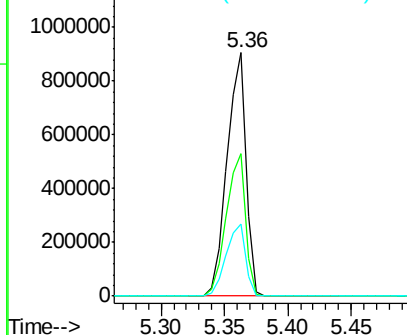
#5

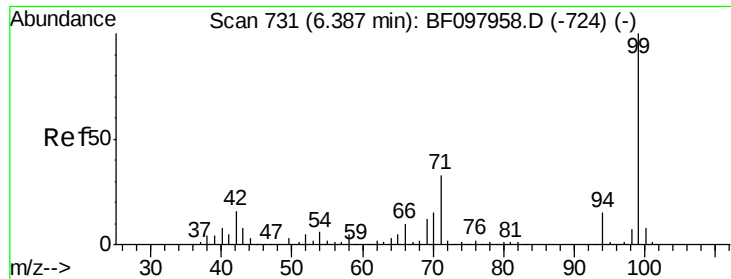
2-Fluorophenol
Concen: 132.47 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Tgt Ion:112 Resp: 938795
Ion Ratio Lower Upper
112 100
64 58.3 46.0 69.0
63 29.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.10 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Instrument :

BNA_F

ClientSampleId :

SA-01-082217

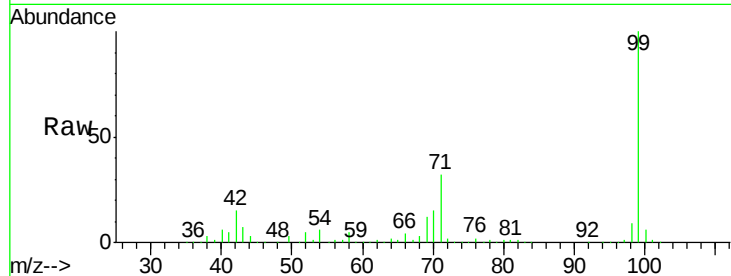
Tot Ion: 99 Resp: 1137165

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

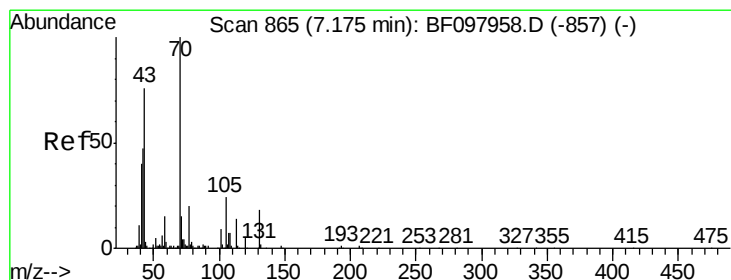
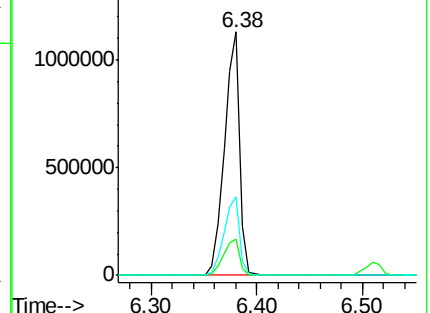
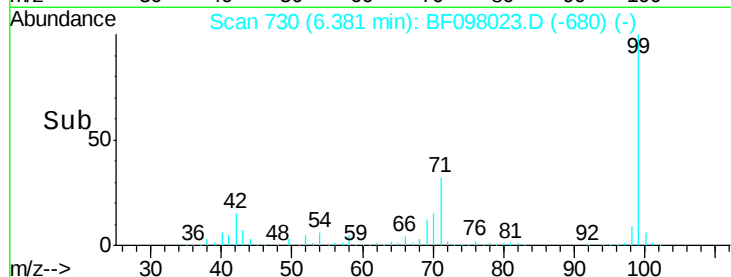
71 32.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.49 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Tgt Ion: 70 Resp: 108718

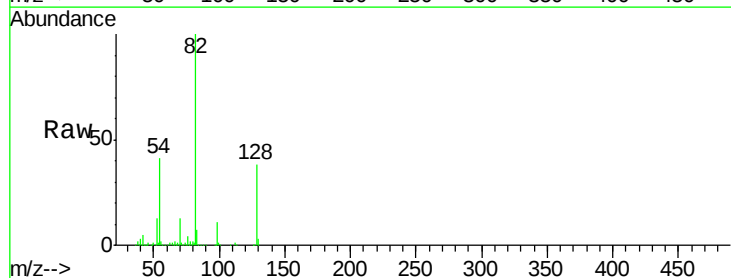
Ion Ratio Lower Upper

70 100

42 40.4 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

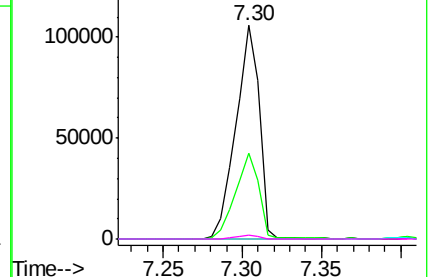
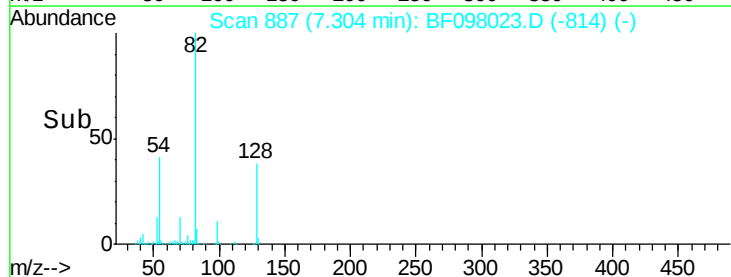


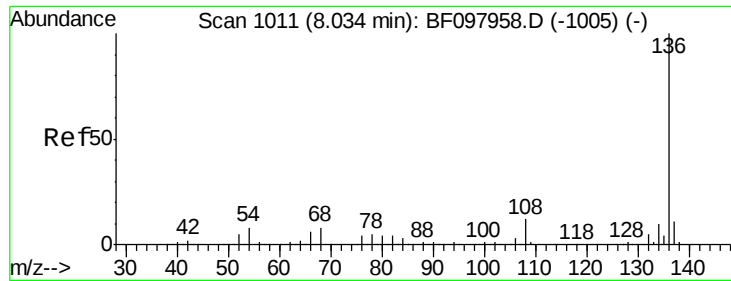
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

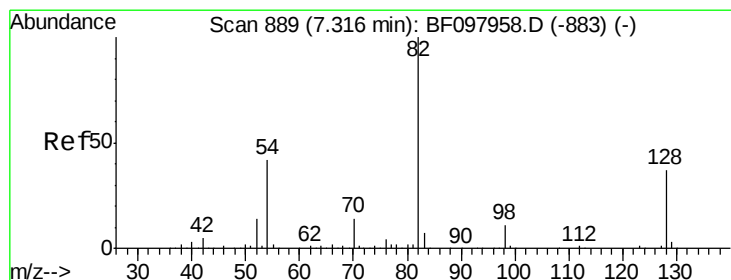
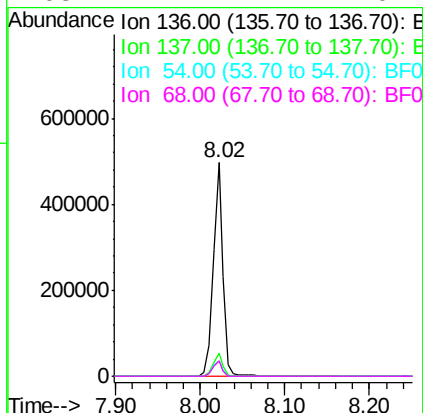
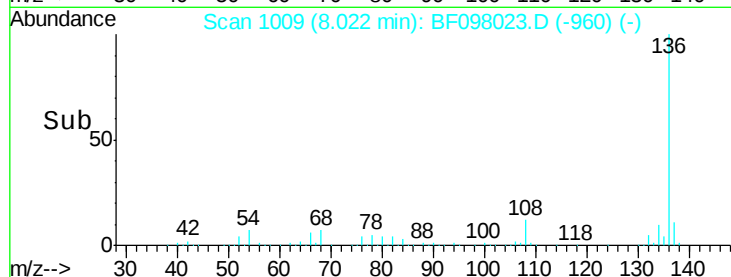
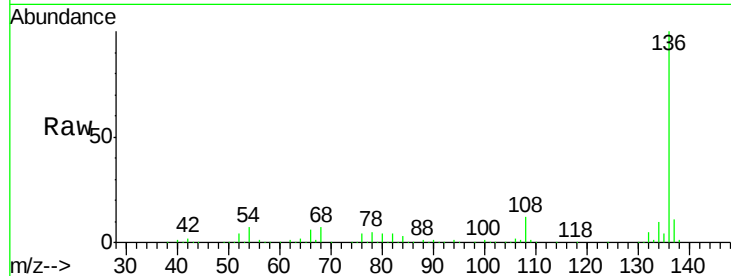




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

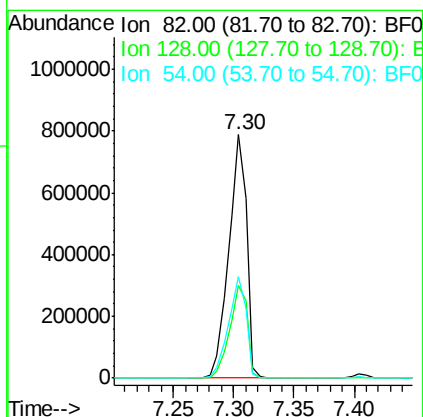
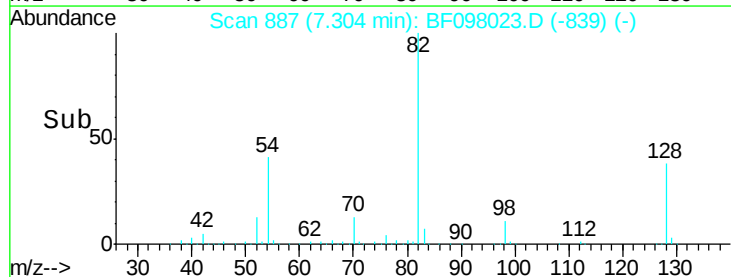
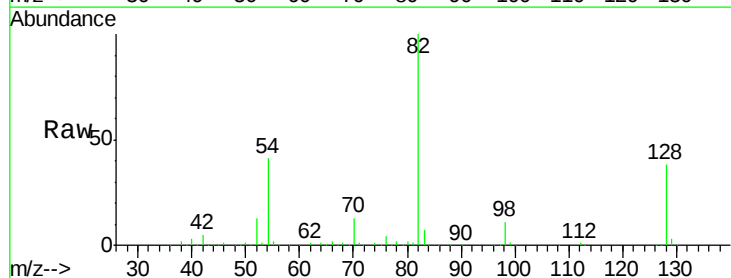
Instrument :
BNA_F
ClientSampleId :
SA-01-082217

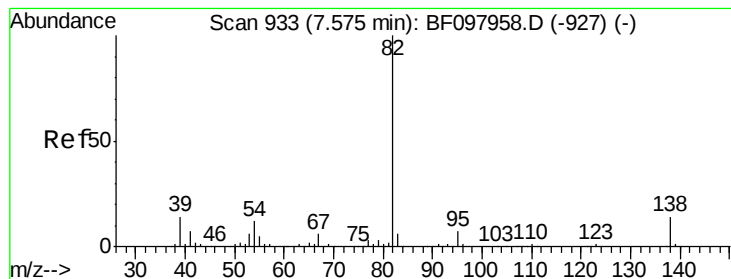
Tot Ion:136	Resp:	409246
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	7.4	4.9 7.3#
68	7.2	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 107.21 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Tgt Ion: 82	Resp:	807657
Ion Ratio	Lower	Upper
82	100	
128	38.0	34.0 51.0
54	41.5	42.2 63.2#





#25

Isophorone

Concen: 51.06 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Instrument :

BNA_F

ClientSampleId :

SA-01-082217

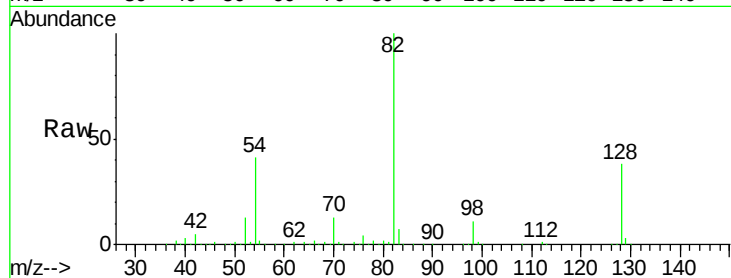
Tot Ion: 82 Resp: 799811

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

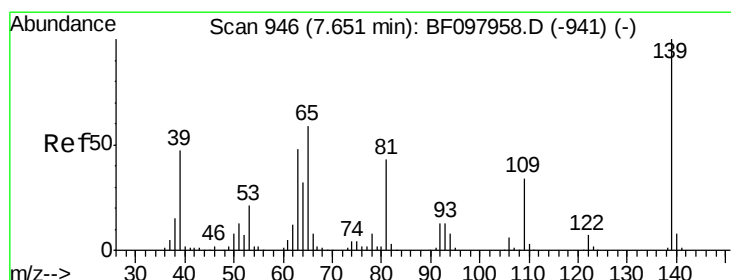
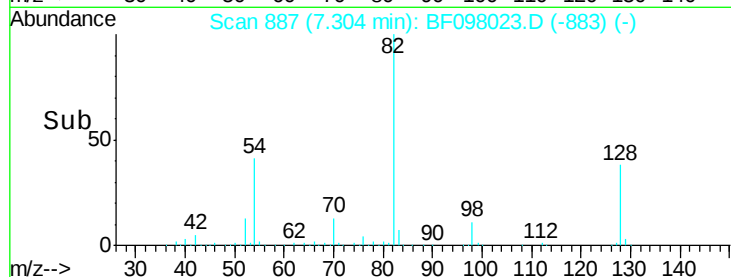
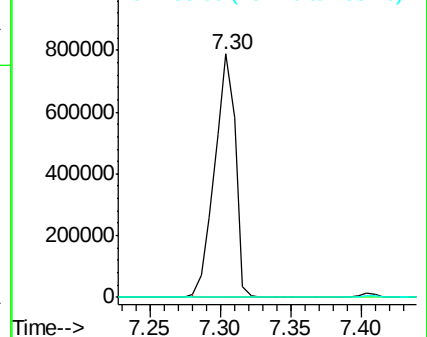
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 5.34 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.25 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

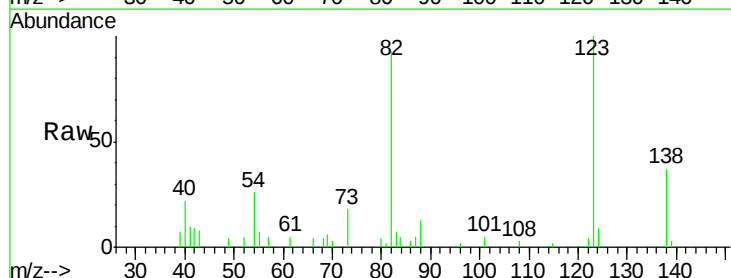
Tgt Ion: 139 Resp: 284

Ion Ratio Lower Upper

139 100

109 0.0 21.0 31.6#

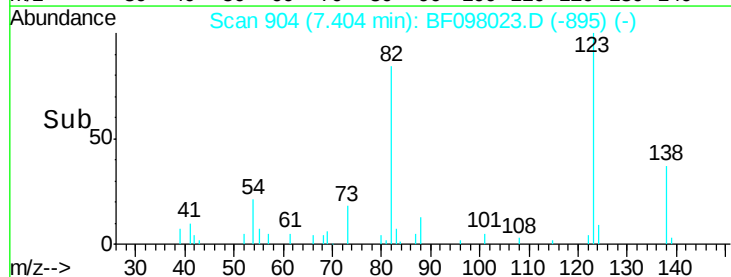
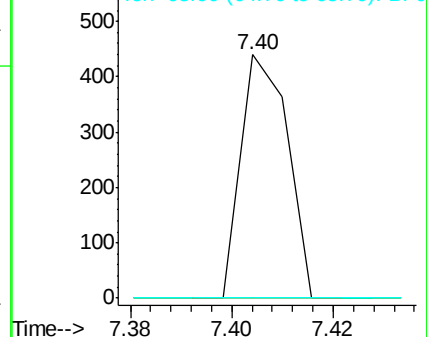
65 0.0 33.0 49.6#

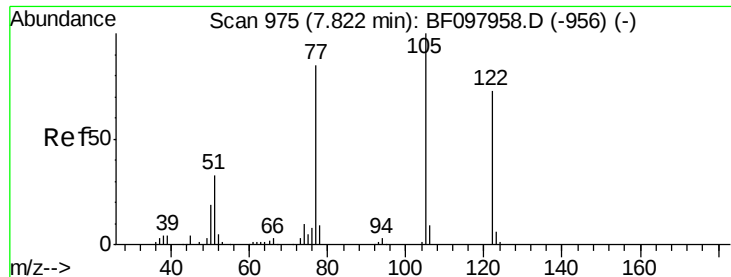


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 6.42 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.07 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Instrument :

BNA_F

ClientSampleId :

SA-01-082217

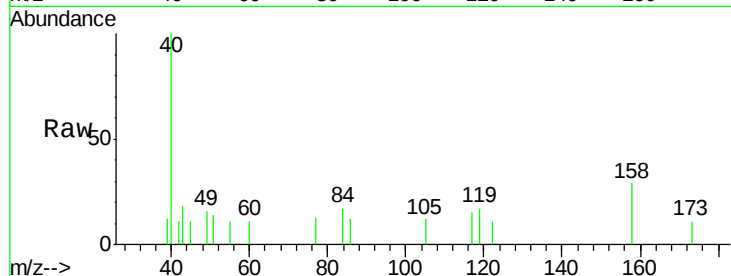
Tot Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 108.8 103.3 143.3

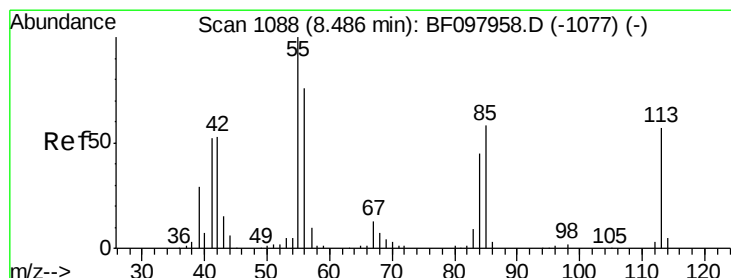
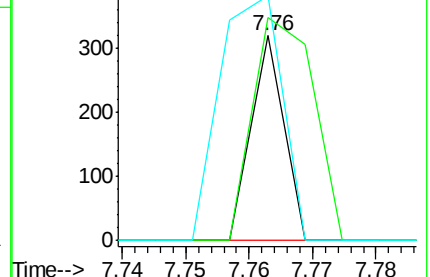
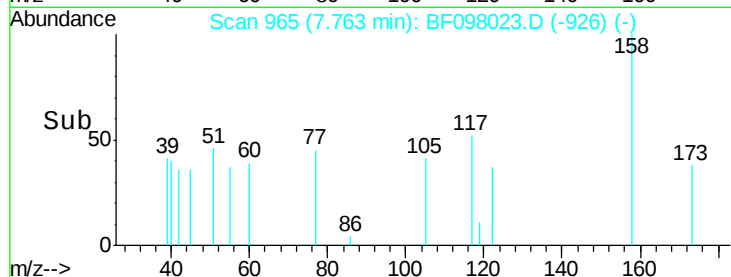
77 119.4 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 5.80 ng

RT: 8.42 min Scan# 1076

Delta R.T. -0.08 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

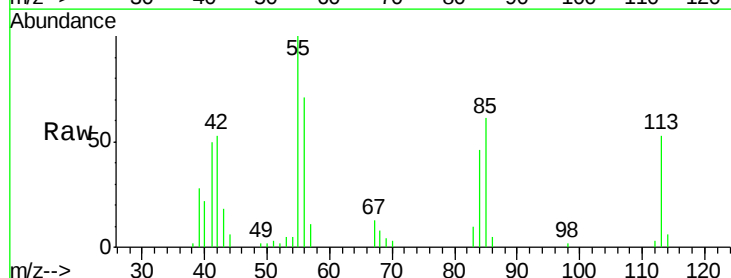
Tgt Ion:113 Resp: 10688

Ion Ratio Lower Upper

113 100

55 187.4 150.2 190.2

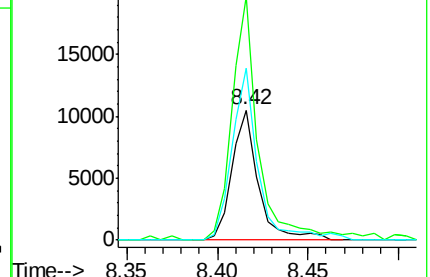
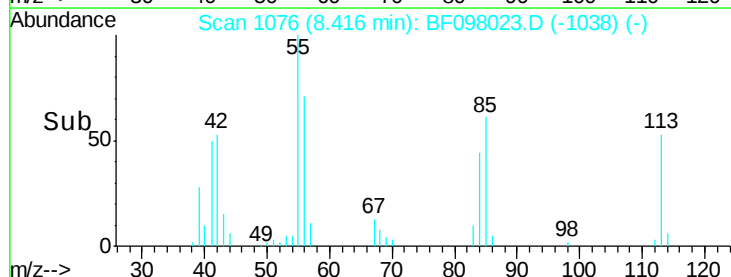
56 132.2 107.8 147.8

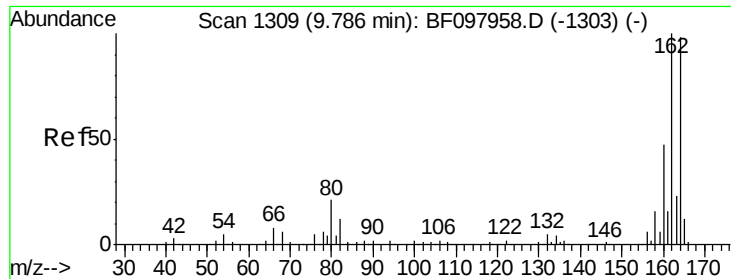


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Instrument :

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ClientSampleId :

SA-01-082217

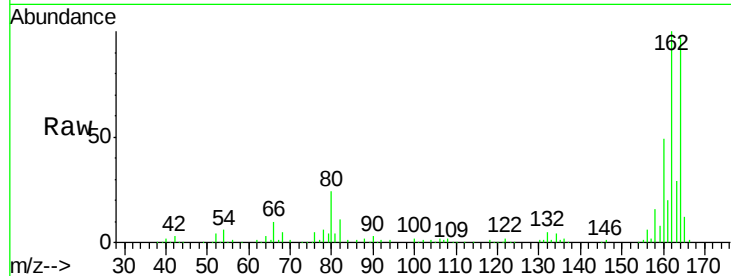
Tot Ion:164 Resp: 157297

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

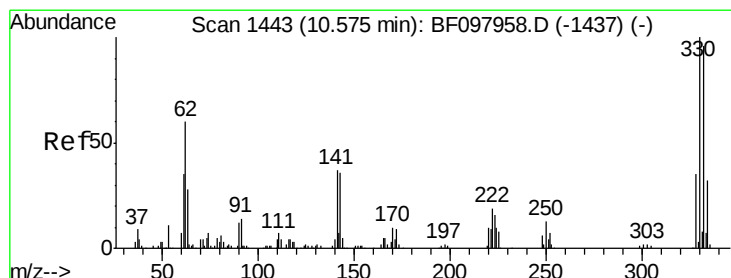
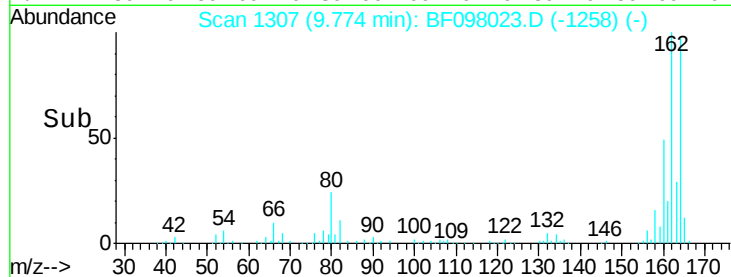
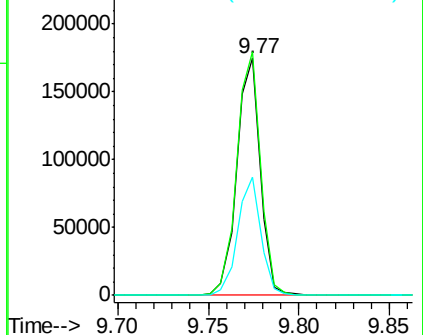
160 50.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 139.80 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

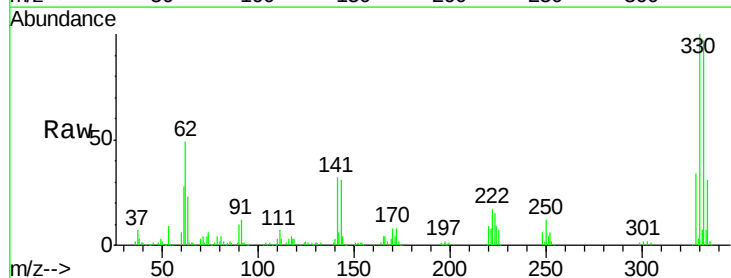
Tgt Ion:330 Resp: 190802

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

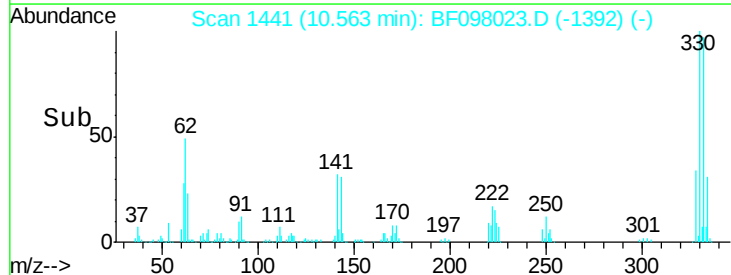
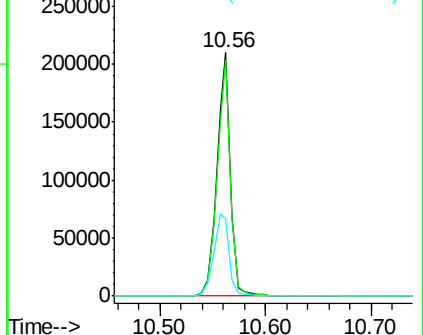
141 38.8 31.4 47.2

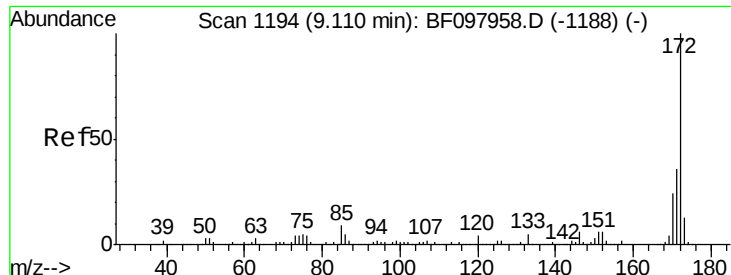


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

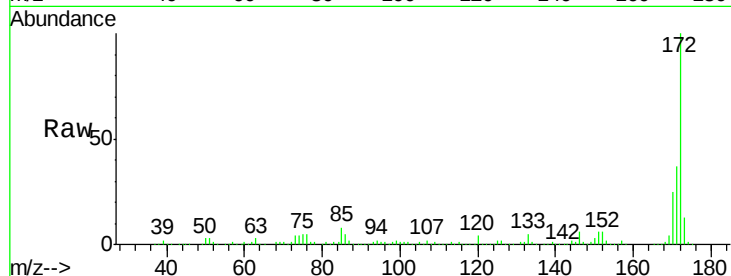




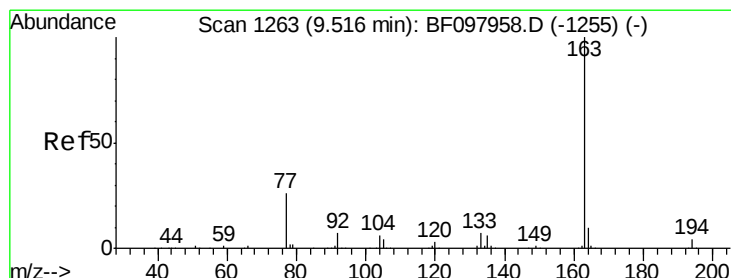
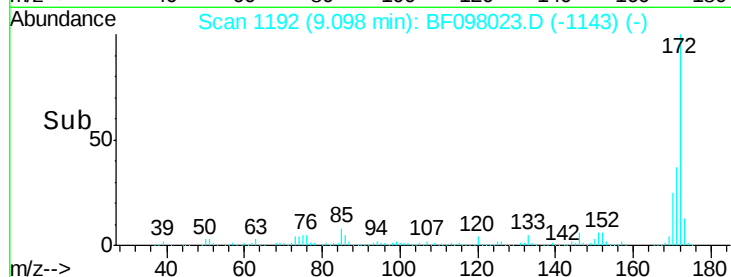
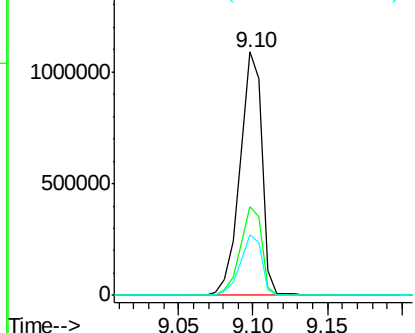
#44
2-Fluorobiphenyl
Concen: 104.13 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Instrument :
BNA_F
ClientSampleId :
SA-01-082217

Tot Ion:172 Resp: 1114874
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.7 19.8 29.8

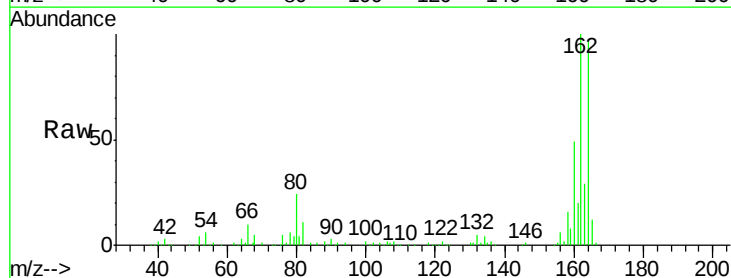


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

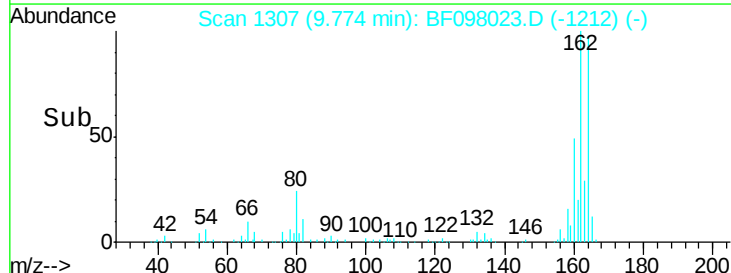
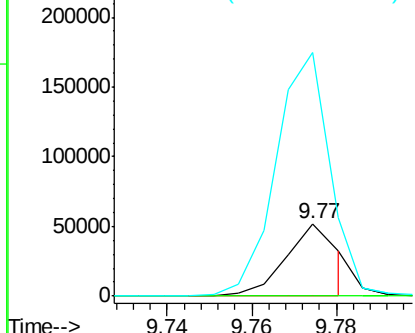


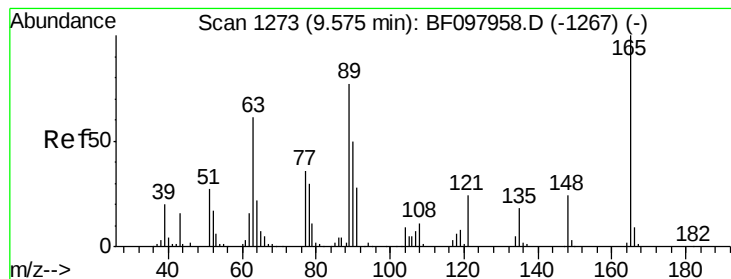
#49
Dimethylphthalate
Concen: 3.82 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.26 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Tgt Ion:163 Resp: 43892
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 337.8 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.65 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Instrument :

BNA_F

ClientSampleId :

SA-01-082217

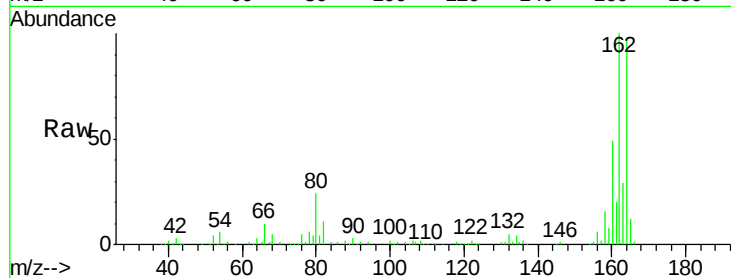
Tot Ion:165 Resp: 19852

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

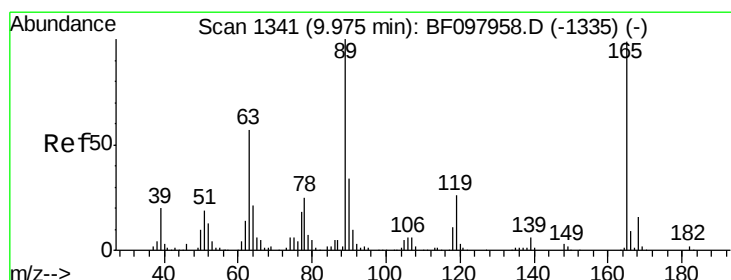
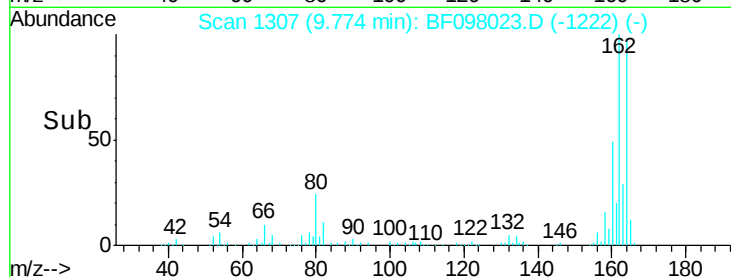
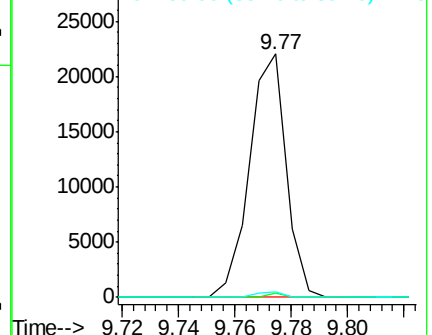
89 2.5 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.89 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Tgt Ion:165 Resp: 19852

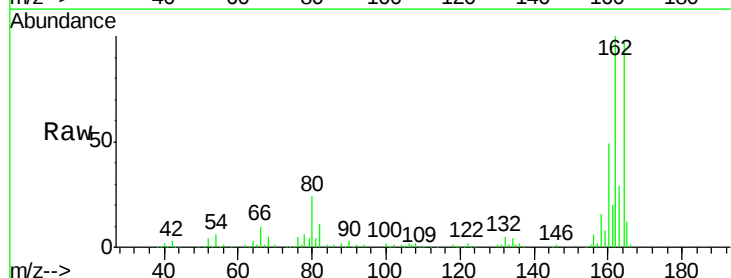
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 2.5 46.4 69.6#

182 0.0 1.8 2.6#

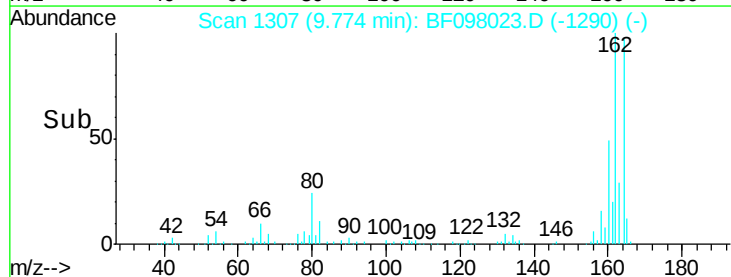
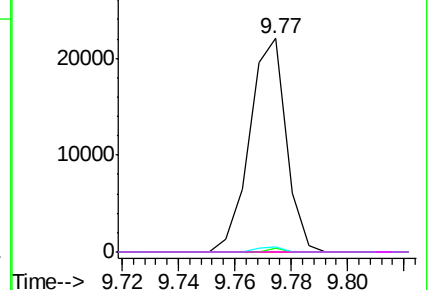


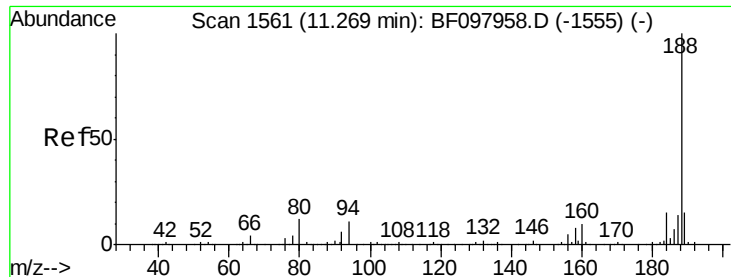
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

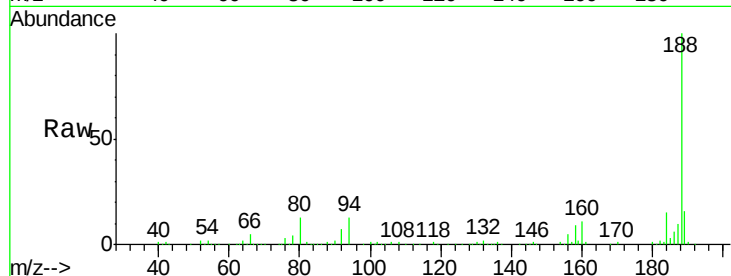




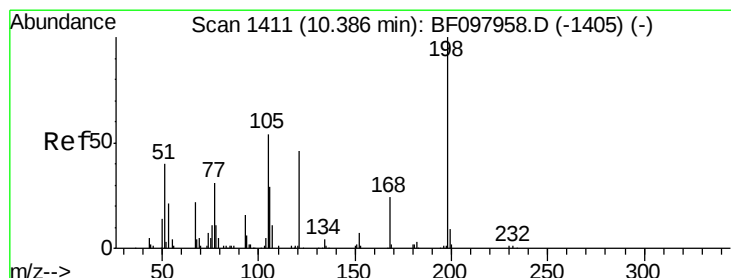
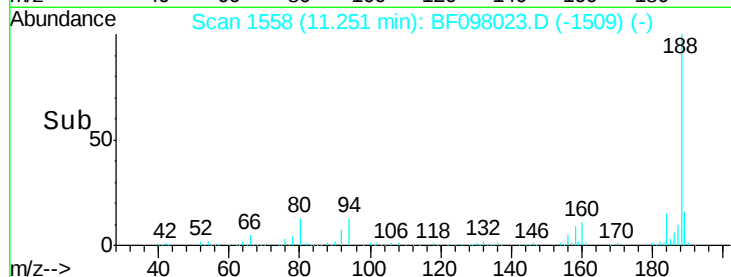
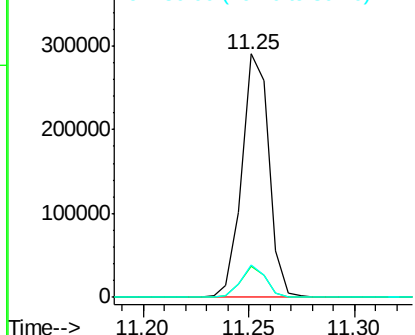
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Instrument :
BNA_F
ClientSampleId :
SA-01-082217

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.9	9.4	14.2
80	13.3	10.2	15.2

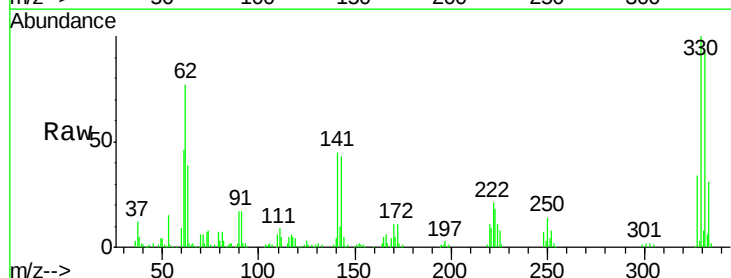


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

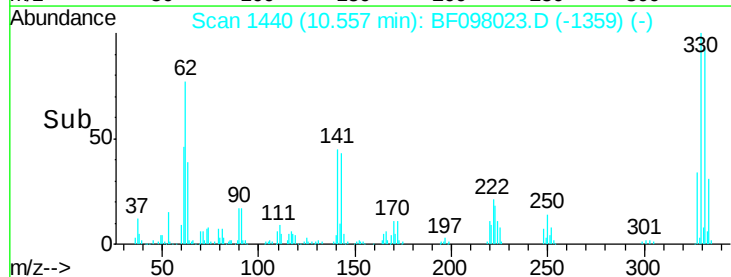
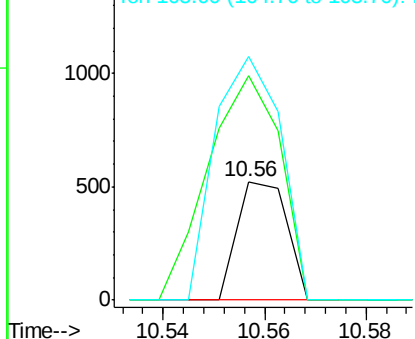


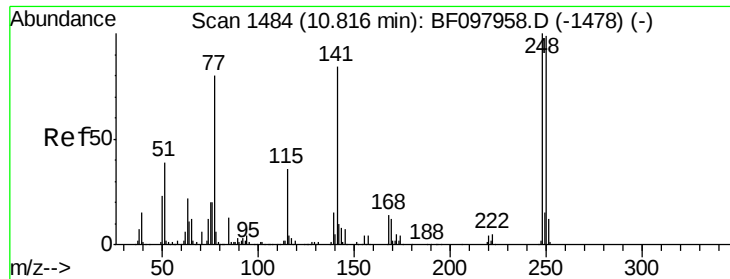
#64
4,6-Dinitro-2-methylphenol
Concen: 8.56 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.18 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Tgt Ion	Ratio	Lower	Upper
198	100		
51	189.5	53.2	93.2#
105	205.9	45.8	85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

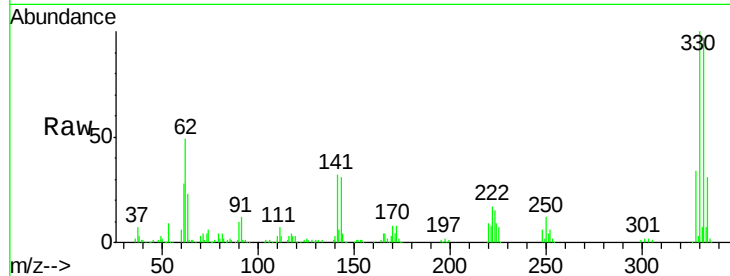




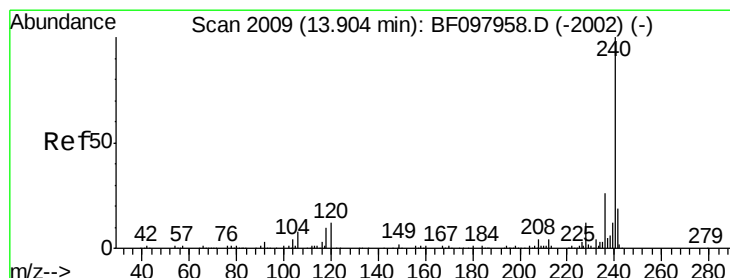
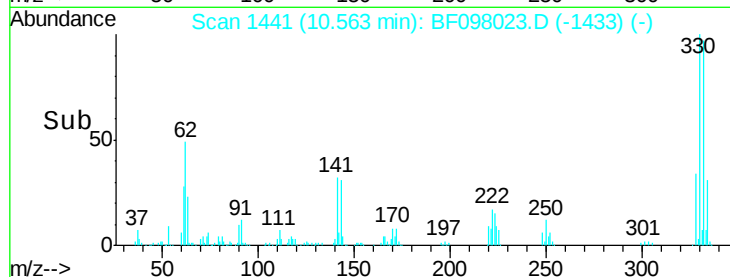
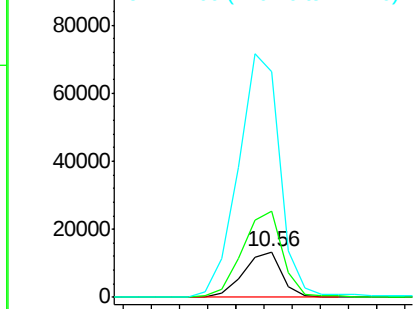
#66
4-Bromophenyl-phenylether
Concen: 4.72 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Instrument :
BNA_F
ClientSampleId :
SA-01-082217

Tot Ion:248 Resp: 12631
Ion Ratio Lower Upper
248 100
250 188.4 76.8 115.2#
141 494.2 68.6 103.0#

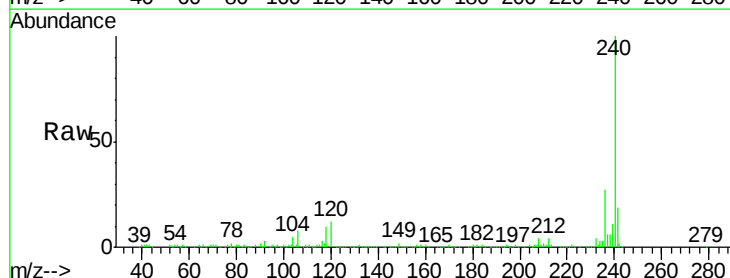


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

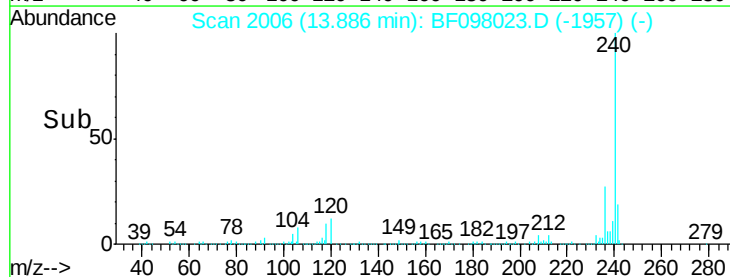
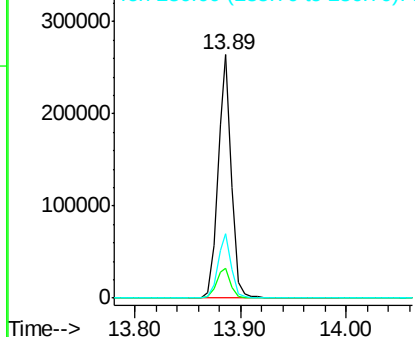


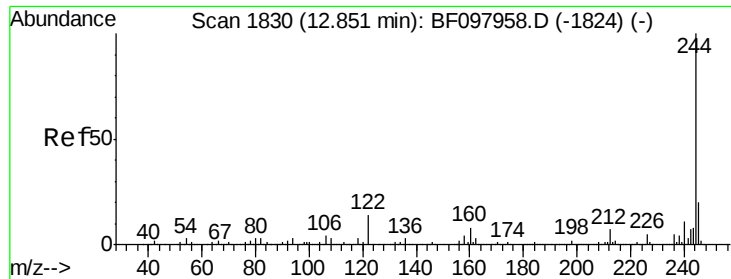
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Tgt Ion:240 Resp: 235030
Ion Ratio Lower Upper
240 100
120 12.0 5.8 8.8#
236 26.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.13 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

Instrument :

BNA_F

ClientSampleId :

SA-01-082217

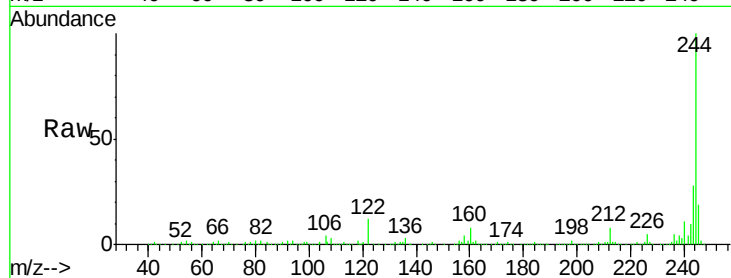
Tot Ion:244 Resp: 801664

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

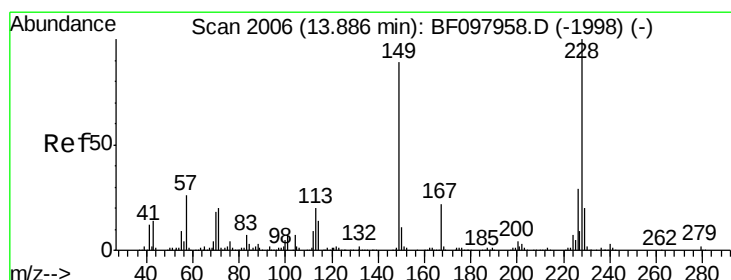
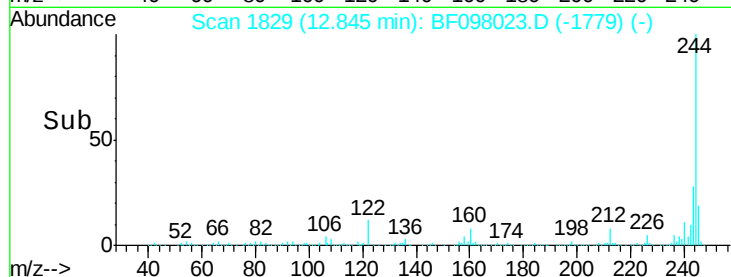
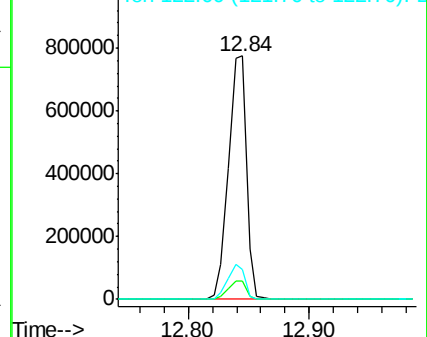
122 12.1 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.82 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098023.D

Acq: 25 Aug 2017 1:11

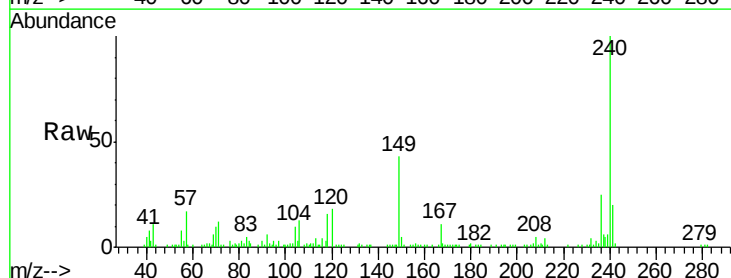
Tgt Ion:149 Resp: 23044

Ion Ratio Lower Upper

149 100

167 26.4 21.0 31.4

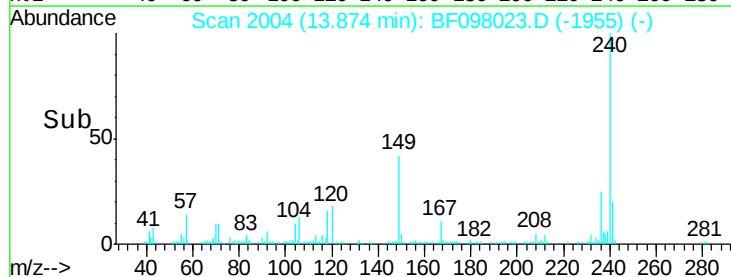
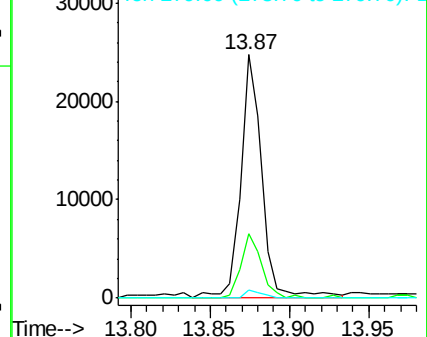
279 3.4 1.9 2.9#

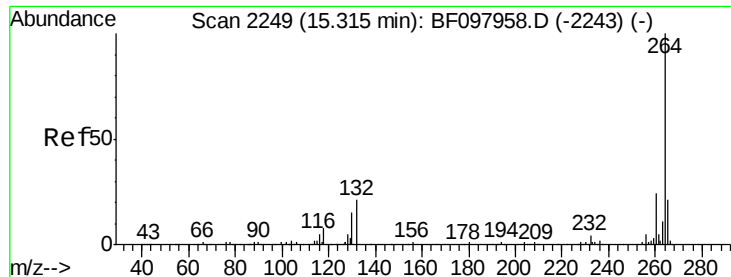


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

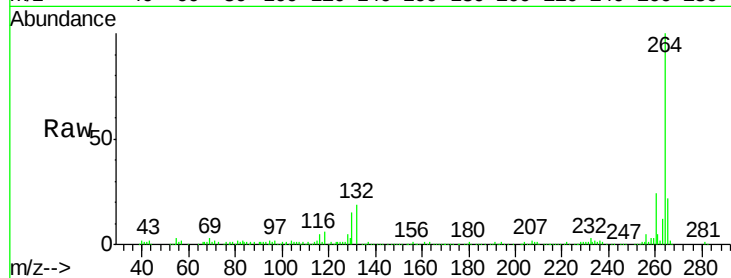




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098023.D
Acq: 25 Aug 2017 1:11

Instrument :
BNA_F
ClientSampleId :
SA-01-082217

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.0	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

